

Z-810

RYCHIGER



We'll lend a hand when it comes to filling and nesting

The Z-810 robotic platform is a state-of-the-art solution, specifically engineered for automated aseptic handling and fill-finish of Ready-To-Use (RTU) syringes, cartridges, and vials.

Z-810

- ✓ 160 container/min
- ✓ Small footprint
- ✓ In-process control (IPC)
- ✓ All common filling technologies available
- ✓ Designed for minimal product loss
- ✓ Gassing and vacuum filling/stoppering functions
- ✓ Various levels of automation for handling processes
- ✓ Designed for isolators, open and closed RABS

The platform provides excellent accessibility, facilitating effortless operation and cleaning. Depending on the specific application, the platform can be equipped with Statistical In-Process-Control (IPC) or 100% IPC to ensure optimal performance.

Accompanied by a comprehensive set of (GMP) documentation, the Z-810 platform guarantees adherence to regulatory standards. It is capable of handling an impressive output of up to 165 products per minute, demonstrating its high efficiency and productivity. The modular design platform, allows for upgrade to different nested container types in future, providing a technology that can adapt to your future business requirements while maintaining a robust compliant process.



Details



Precision Handling

Robot integration for precise handling with maximum performance



Virtual cockpit (HMI)

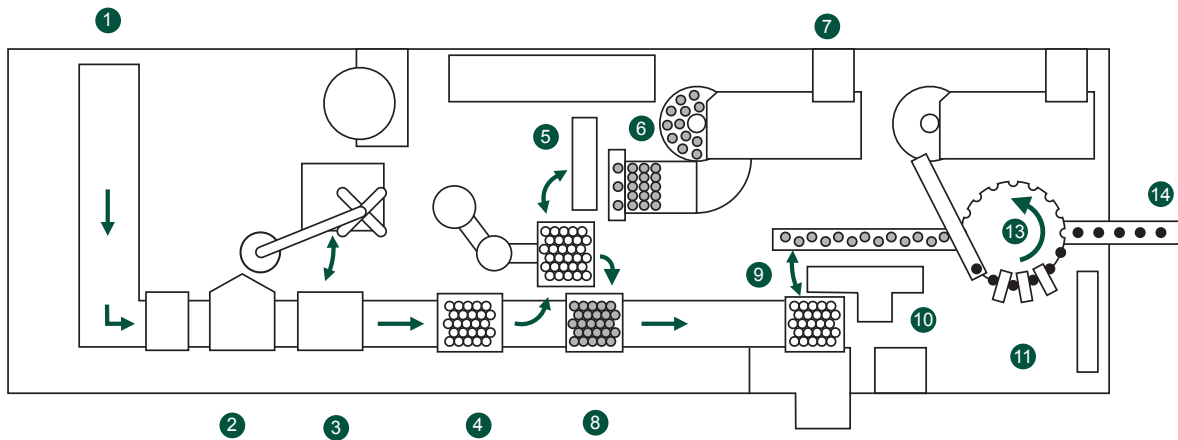
Our HMI system gives you the ability to control your production using recipe management, obtain batch report, make line clearance, and various service topics.



Aseptic Filling in an Isolator or under LAF, RABS

Aseptic transfer of materials and media. Filling, stoppering, and crimping of products according to Annex 1 guideline.

Process illustration



- ① Product Insert
- ② Lid heating
- ③ Tyvek removal
- ④ De-nesting Tray
- ⑤ Filling and Closing Robot
- ⑥ Feeding Bowl Stopper
- ⑦ Hopper Stopper Feeding
- ⑧ Nesting Unit
- ⑨ Stacking Tubs
- ⑩ Vial Handling Robot
- ⑪ Crimping (separated)
- ⑫ Cap Feeding Bowl
- ⑬ Star Wheel
- ⑭ Product Exit

Technical data Z-810

The technical data might vary, depending on the container dimensions and shapes, the product to be filled, the machine configuration and material specifications.

RTU vials, syringes, cartridges

Output/min

Output/h

All sizes

up to 160

up to 10'000

Power

Rated power

Compressed air

Dimensions

400V 3 PE N

5-20 kW

6 bar, 100 l/min

Application specific